

# Hydrophobic Ionic Liquids

Ionic liquids, novel, salt-like materials with melting points below 100 °C, have gained much attention in recent years. This fascinating class of materials offers many benefits, including:

- Negligible vapor pressure
- Tuneable solvent properties
- Nonflammability
- High ionic conductivity
- High thermal stability

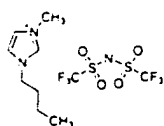
Sigma-Aldrich offers, in collaboration with Covalent Associates, Inc., a set of extremely hydrophobic and thermally and hydrolytically stable ionic liquids.

## 1-Butyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide, purum, ≥98% (NMR)

[174899-83-3]

C<sub>10</sub>H<sub>14</sub>F<sub>6</sub>N<sub>2</sub>O<sub>4</sub>S<sub>2</sub>

FW 419.35



77896-1G-F

1 g \$79.70

77896-5G-F

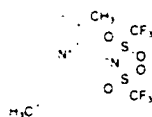
5 g 347.50

## 1-Butyl-3-methylpyridinium bis(trifluoromethylsulfonyl)imide, purum, ≥97% (NMR)

[344790-86-9]

C<sub>11</sub>H<sub>14</sub>F<sub>6</sub>N<sub>2</sub>O<sub>4</sub>S<sub>2</sub>

FW 430.39



14654-1G-F

1 g \$100.50

14654-5G-F

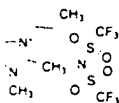
5 g 402.50

## 1,2-Dimethyl-3-propylimidazolium bis(trifluoromethylsulfonyl)imide, purum, ≥97% (NMR)

[169051-76-7]

C<sub>11</sub>H<sub>16</sub>F<sub>6</sub>N<sub>2</sub>O<sub>4</sub>S<sub>2</sub>

FW 419.36



50807-1G-F

1 g \$154.50

50807-5G-F

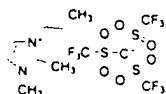
5 g 618.00

## 1,2-Dimethyl-3-propylimidazolium tris(trifluoromethylsulfonyl)methide, purum, ≥97% (NMR)

[169051-77-8]

C<sub>11</sub>H<sub>16</sub>F<sub>9</sub>N<sub>2</sub>O<sub>6</sub>S<sub>3</sub>

FW 550.44



74305-1G-F

1 g \$187.00

74305-2.5G-F

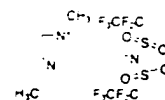
2.5 g 402.50

## 1-Ethyl-3-methylimidazolium bis(pentafluoroethylsulfonyl)imide, purum, ≥97% (NMR)

[216299-76-2]

C<sub>10</sub>H<sub>14</sub>F<sub>10</sub>N<sub>2</sub>O<sub>4</sub>S<sub>2</sub>

FW 491.33



1 g \$211.00

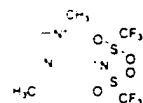
5 g 843.00

## 1-Ethyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide, purum, ≥97% (HPLC)

[174899-82-2]

C<sub>10</sub>H<sub>14</sub>F<sub>6</sub>N<sub>2</sub>O<sub>4</sub>S<sub>2</sub>

FW 391.31



1 g \$148.60

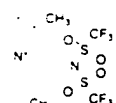
5 g 605.20

## 3-Methyl-1-propylpyridinium bis(trifluoromethylsulfonyl)imide, purum

[817575-06-7]

C<sub>11</sub>H<sub>16</sub>F<sub>6</sub>N<sub>2</sub>O<sub>4</sub>S<sub>2</sub>

FW 416.36



1 g \$100.50

5 g 402.50

## References

- (1) Koch, V. R. et al. *J. Electrochem. Soc.* **1995**, 142, L116.
- (2) McEwen, A. B. et al. *J. Electrochem. Soc.* **1999**, 146, 1687
- (3) Ngo, H. L. et al. *Thermochim. Acta* **2000**, 357-358, 97.

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